



FIG.1

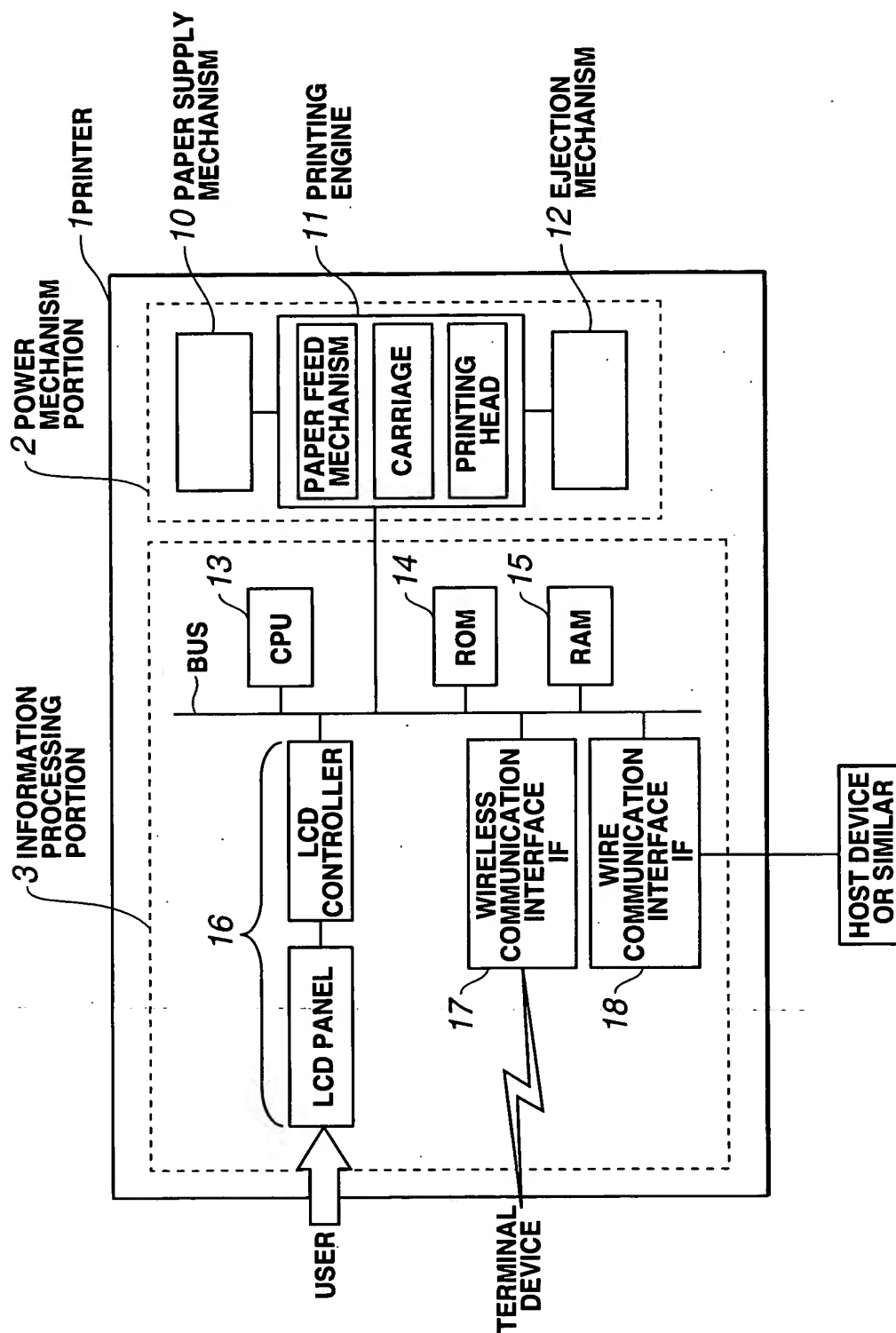


FIG.2

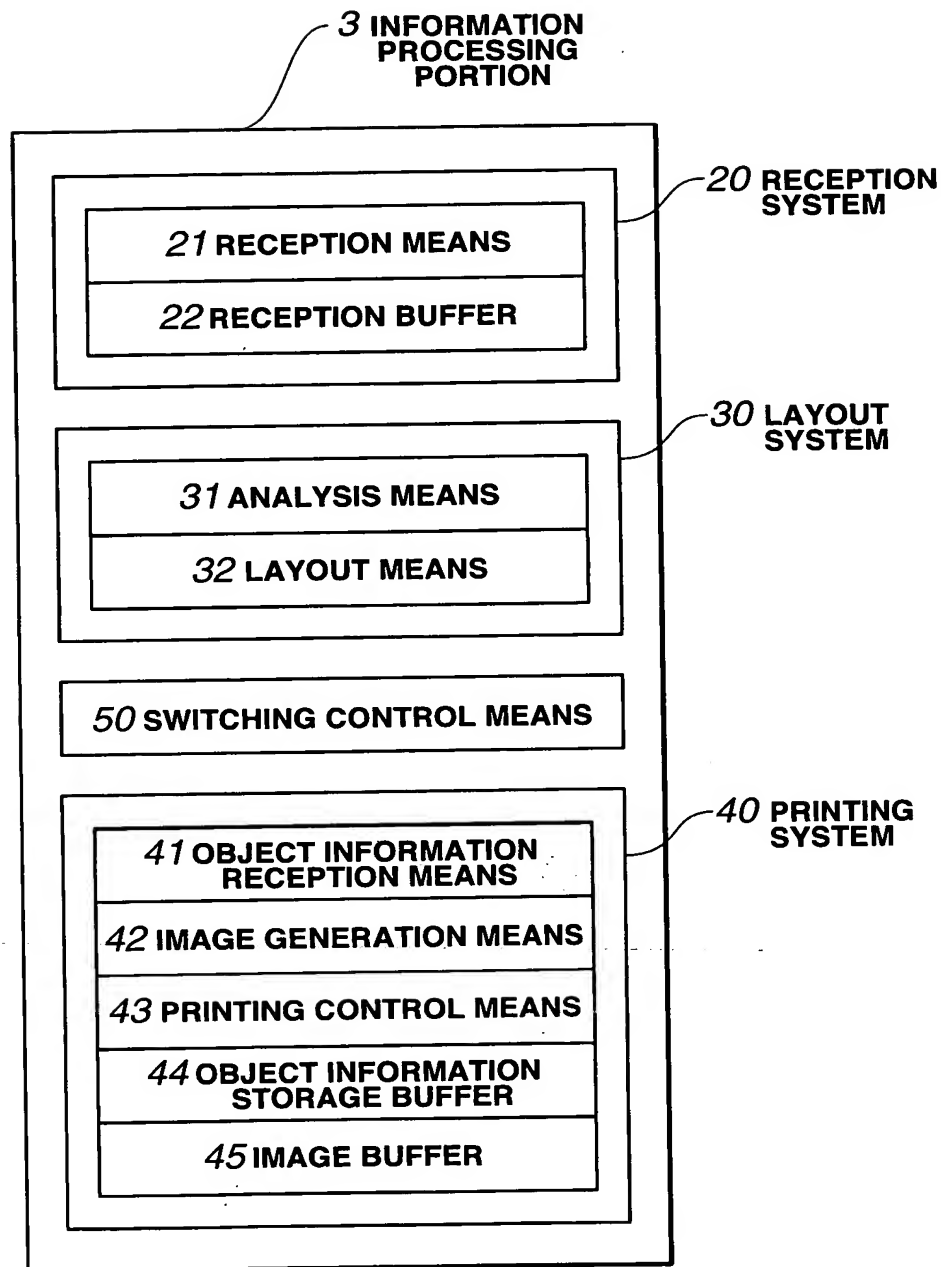


FIG.3A

ANALYSIS TASK

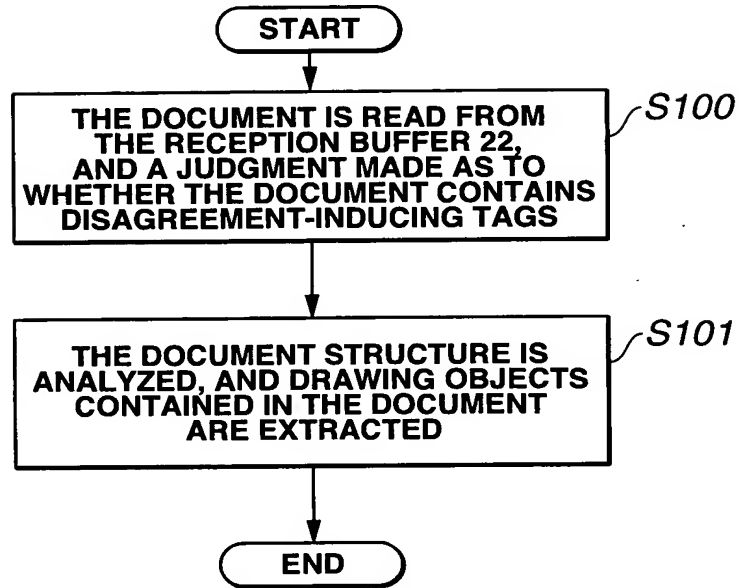


FIG.3B

SWITCHING CONTROL TASK

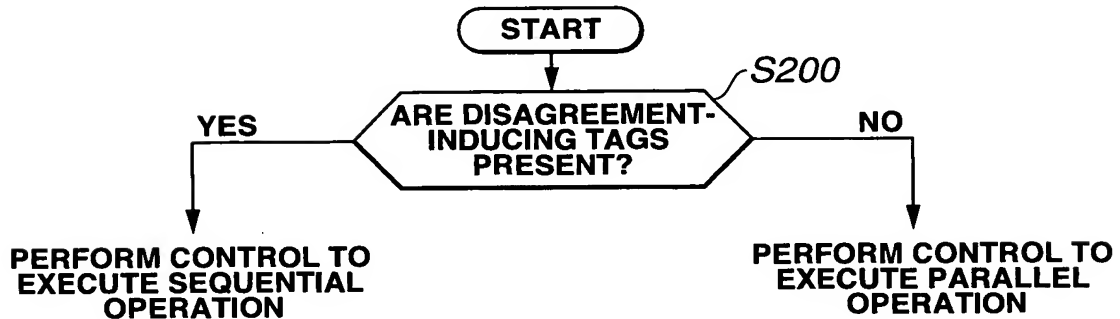


FIG.4A

SEQUENTIAL OPERATION: LAYOUT TASK

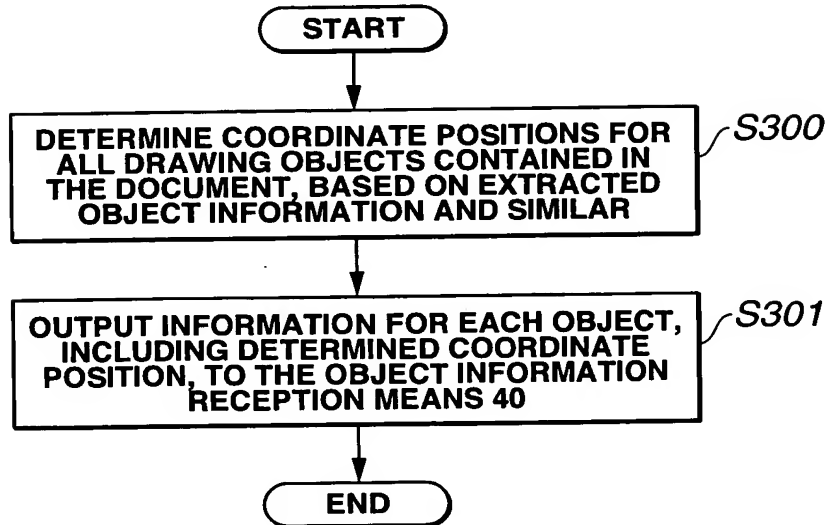


FIG.4B

SEQUENTIAL OPERATION: OBJECT INFORMATION RECEPTION TASK

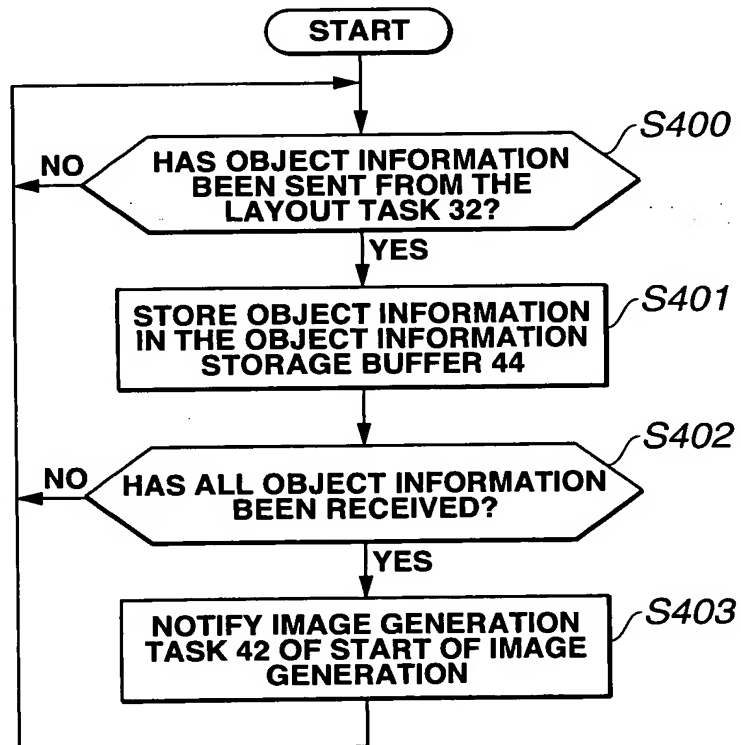


FIG.5A

SEQUENTIAL OPERATION: IMAGE GENERATION TASK

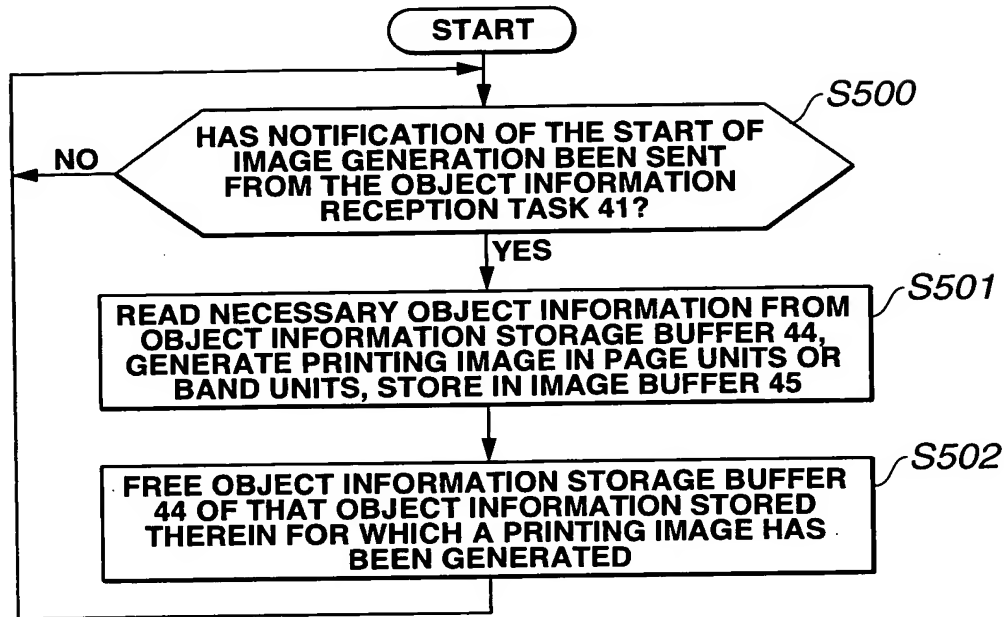


FIG.5B

SEQUENTIAL OPERATION: PRINTING CONTROL TASK

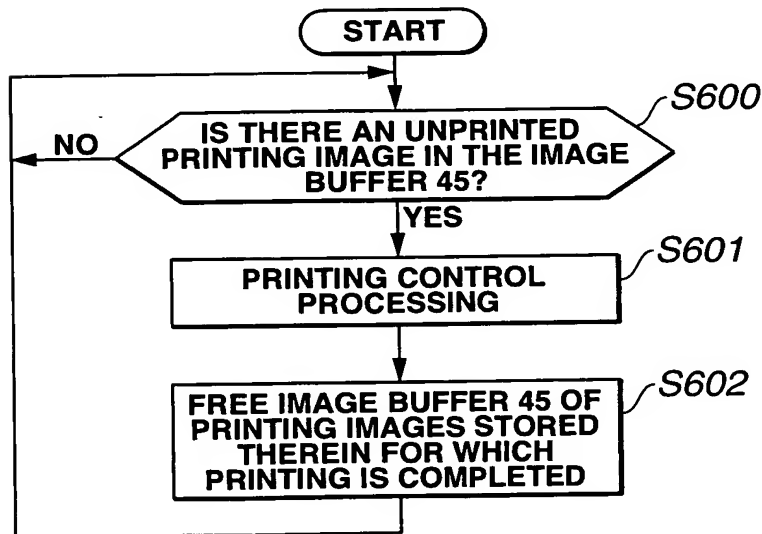


FIG.6A

PARALLEL OPERATION: LAYOUT TASK

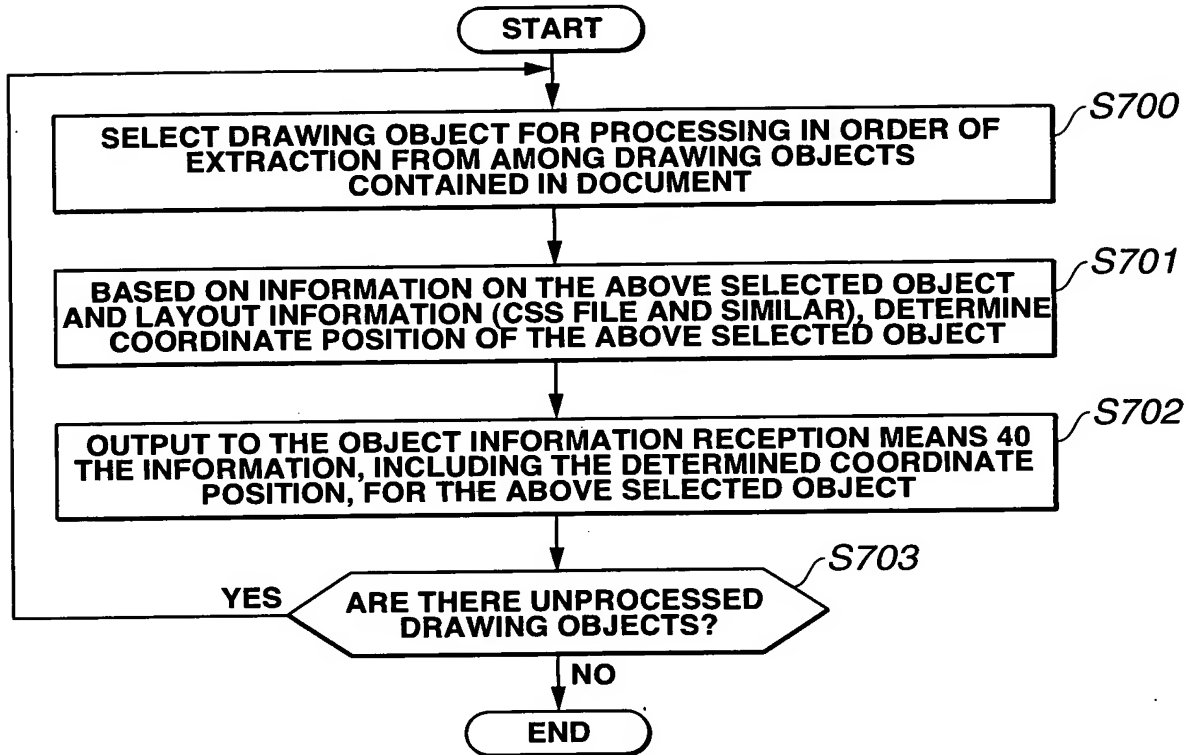


FIG.6B

PARALLEL OPERATION: OBJECT INFORMATION RECEPTION TASK

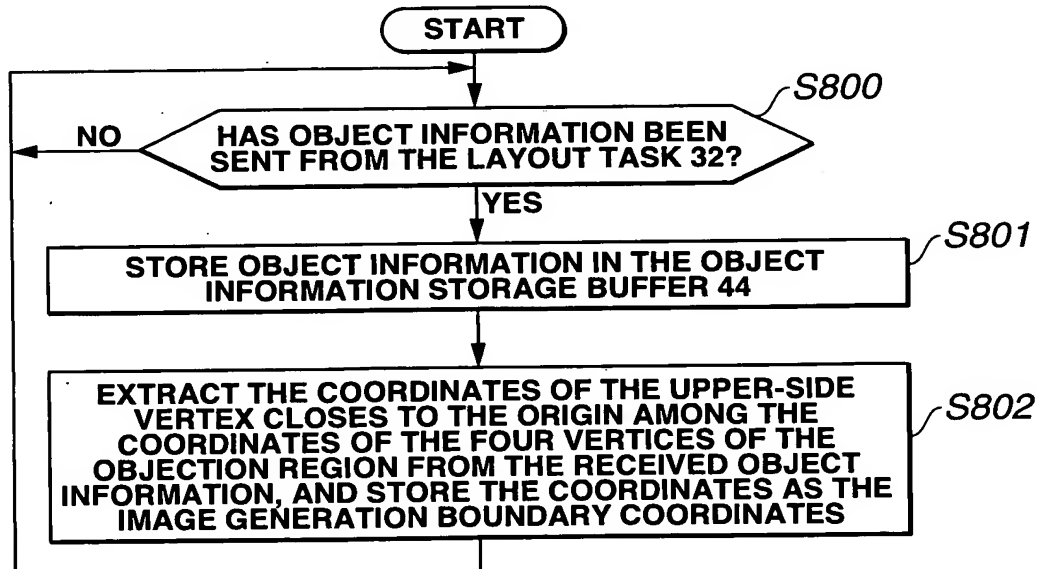


FIG.7

PARALLEL OPERATION: IMAGE GENERATION TASK

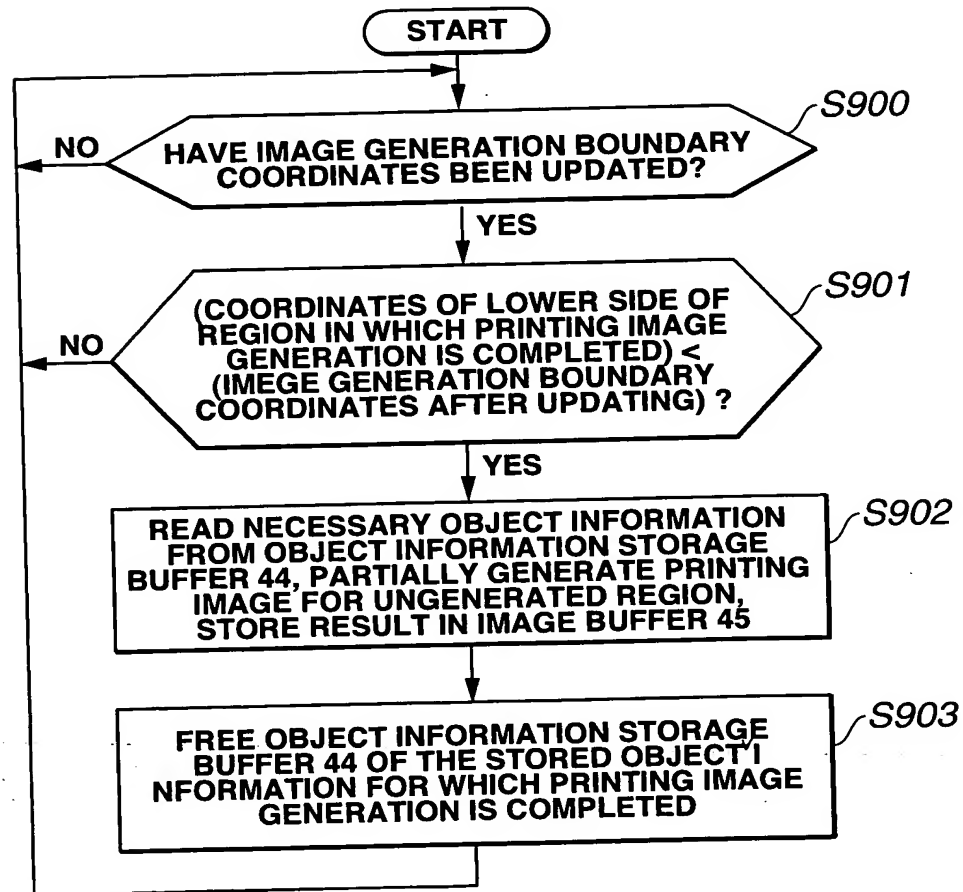


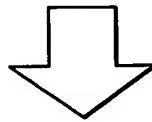
FIG.8

LAYOUT INFORMATION (PARTIAL)

```
#TEST{  
  POSITION:RELATIVE  
  TOP:-150px;  
  LEFT:50px }
```

XHTML DOCUMENT (PARTIAL)

```
<p>  
  DRAWING OBJECT 1  
</p>  
<SPAN ID="TEST">  
  DRAWING OBJECT 2  
</SPAN>
```

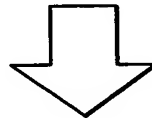


LAYOUT SYSTEM 30

DETERMINE COORDINATE
POSITIONS IN ORDER
DRAWING OBJECT 1,
DRAWING OBJECT 2

UPPER-RIGHT COORDINATE POSITION OF
DRAWING OBJECT 1=(50, 100)

UPPER-RIGHT COORDINATE POSITION OF
DRAWING OBJECT 2=(100, 25)



PRINTING SYSTEM 40

FORM IMAGE IN ORDER
DRAWING OBJECT 2,
DRAWING OBJECT 1

DRAWING OBJECT 1

DRAWING OBJECT 2

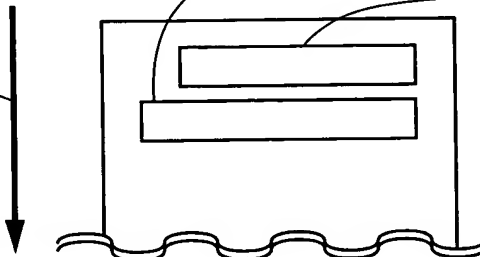
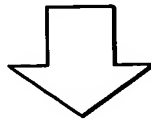


FIG.9

XHTML DOCUMENT (PARTIAL)

```
<p>  
DRAWING OBJECT 1  
<IMG DRAWING OBJECT 2>  
</p>
```

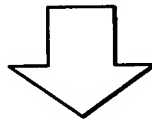


LAYOUT SYSTEM 30

DETERMINE COORDINATE
POSITIONS IN ORDER
DRAWING OBJECT 1,
DRAWING OBJECT 2

UPPER-RIGHT COORDINATE POSITION OF
DRAWING OBJECT 1=(50, 100)

UPPER-RIGHT COORDINATE POSITION OF
DRAWING OBJECT 2=(220, 40)



PRINTING SYSTEM 40

FORM IMAGE IN ORDER
(PORTION OF DRAWING OBJECT 2),
(DRAWING OBJECT 1+
REMAINDER OF DRAWING OBJECT 2)

DRAWING OBJECT 1

DRAWING OBJECT 2

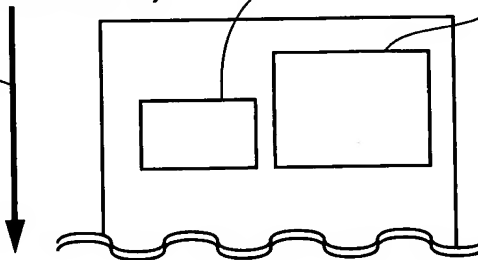


FIG.10

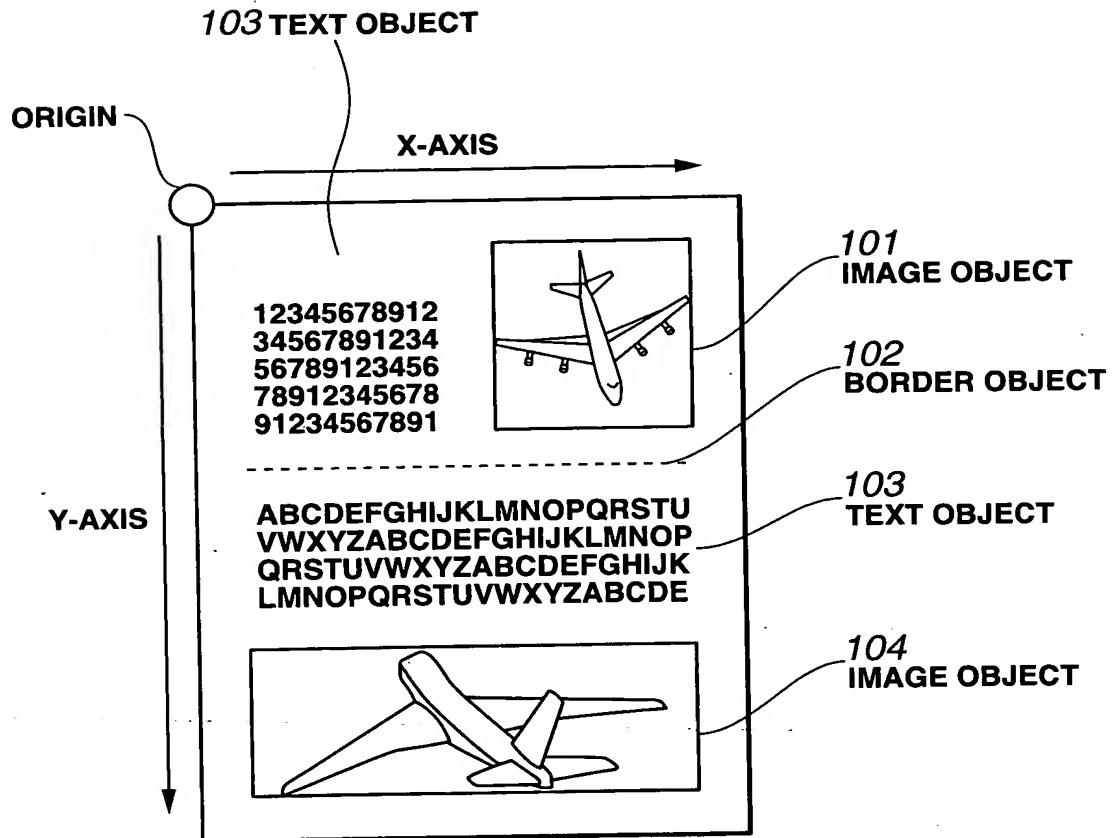


FIG.11A

SEQUENTIAL OPERATION

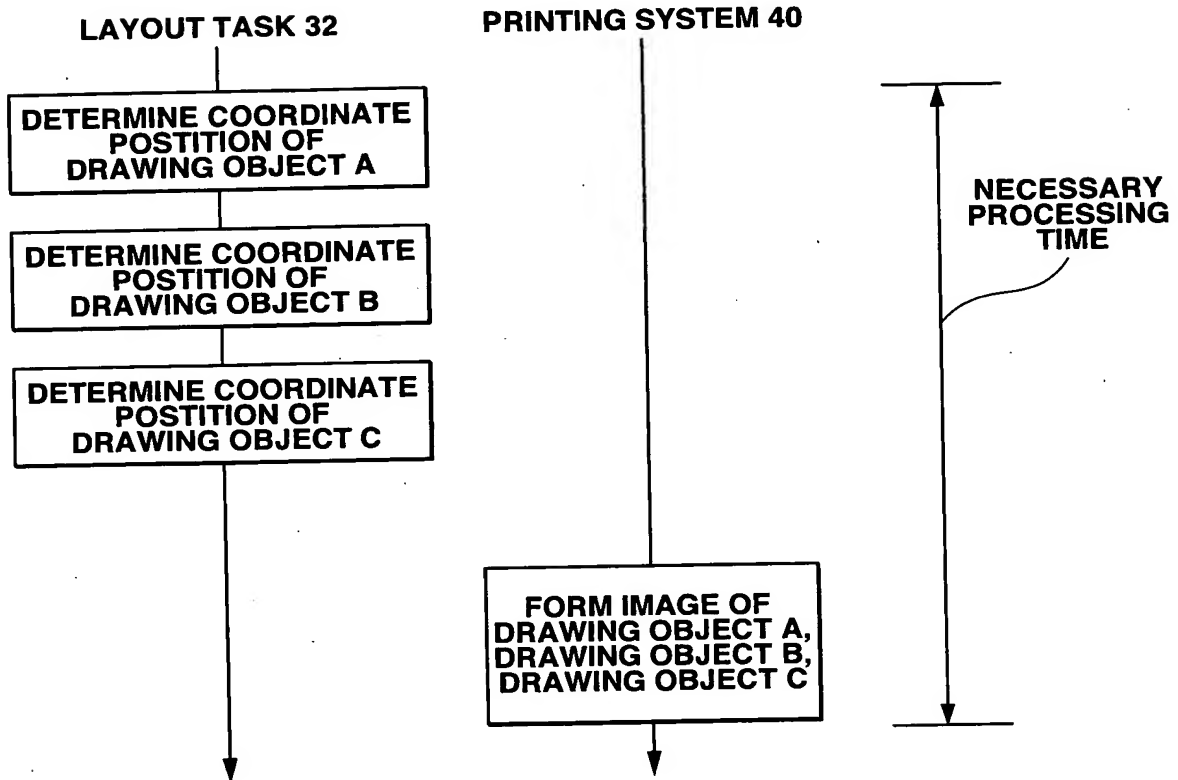


FIG.11B

PARALLEL OPERATION

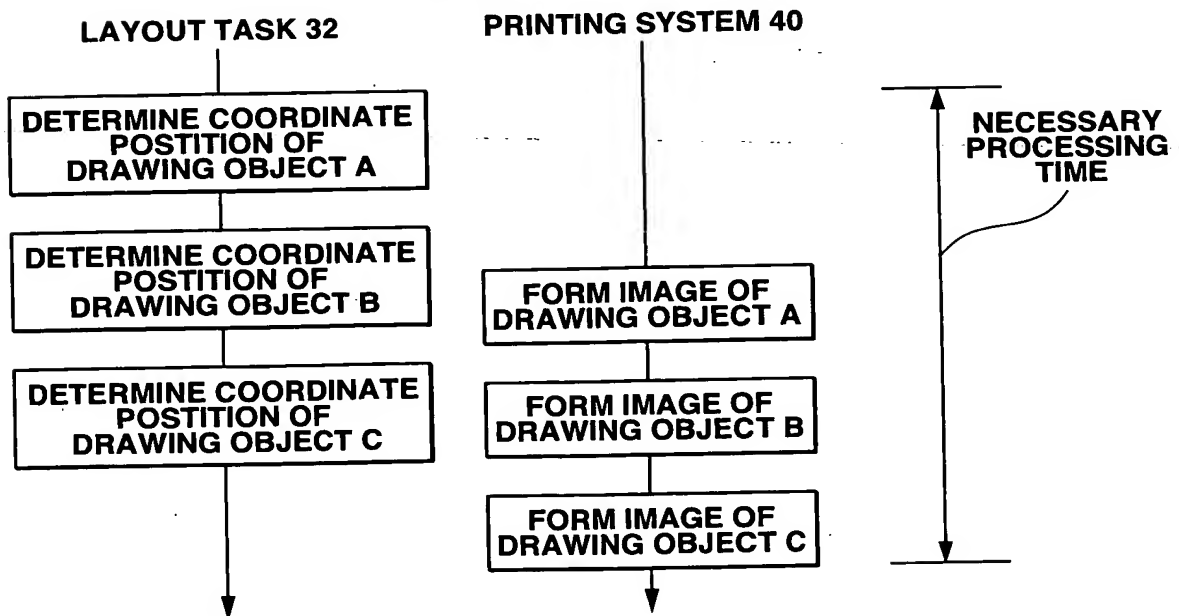


FIG.12

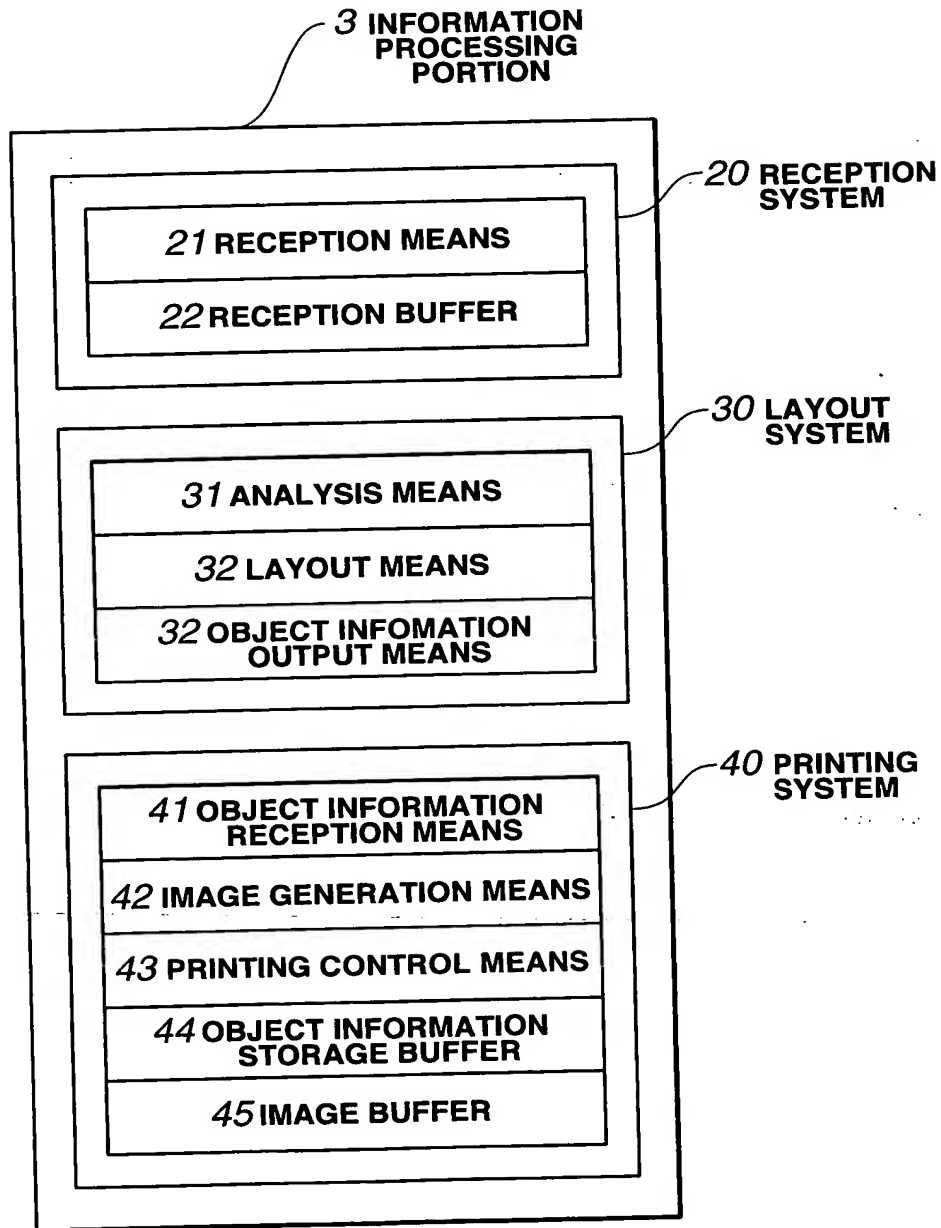


FIG.13

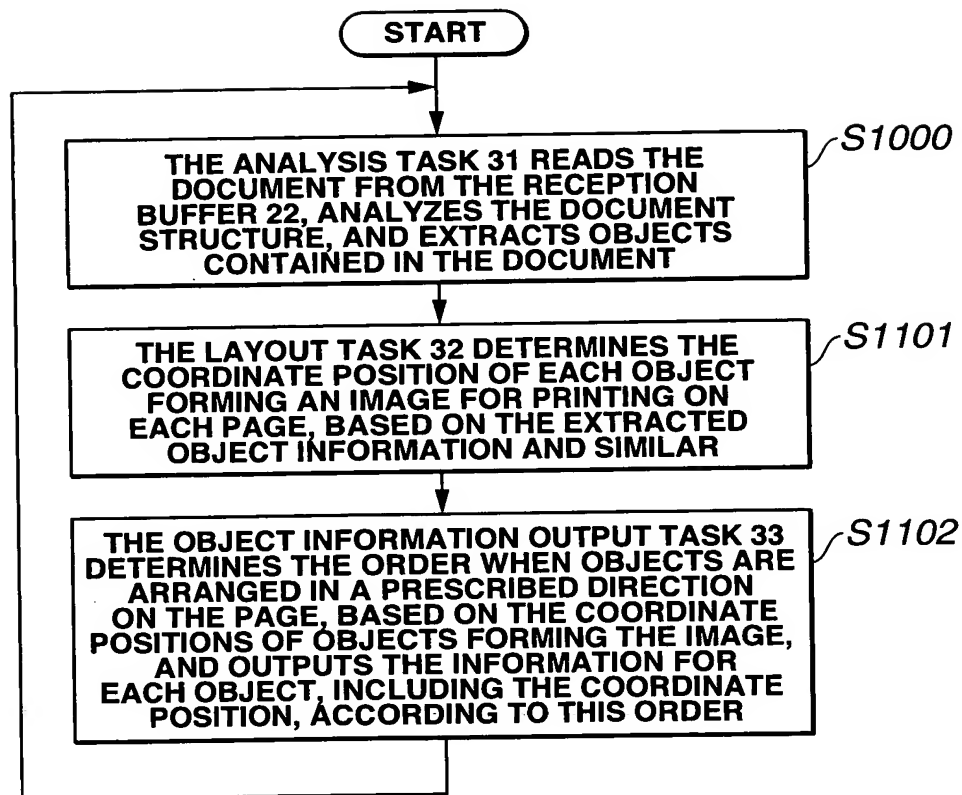


FIG.14

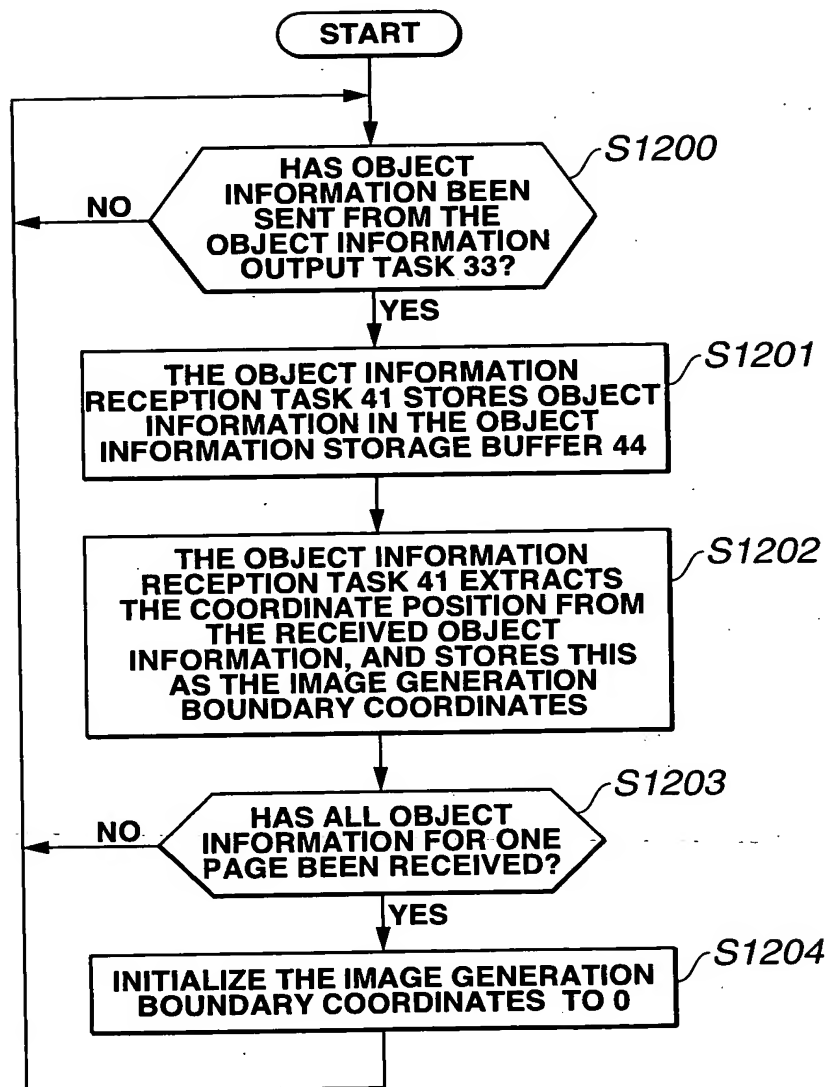


FIG.15

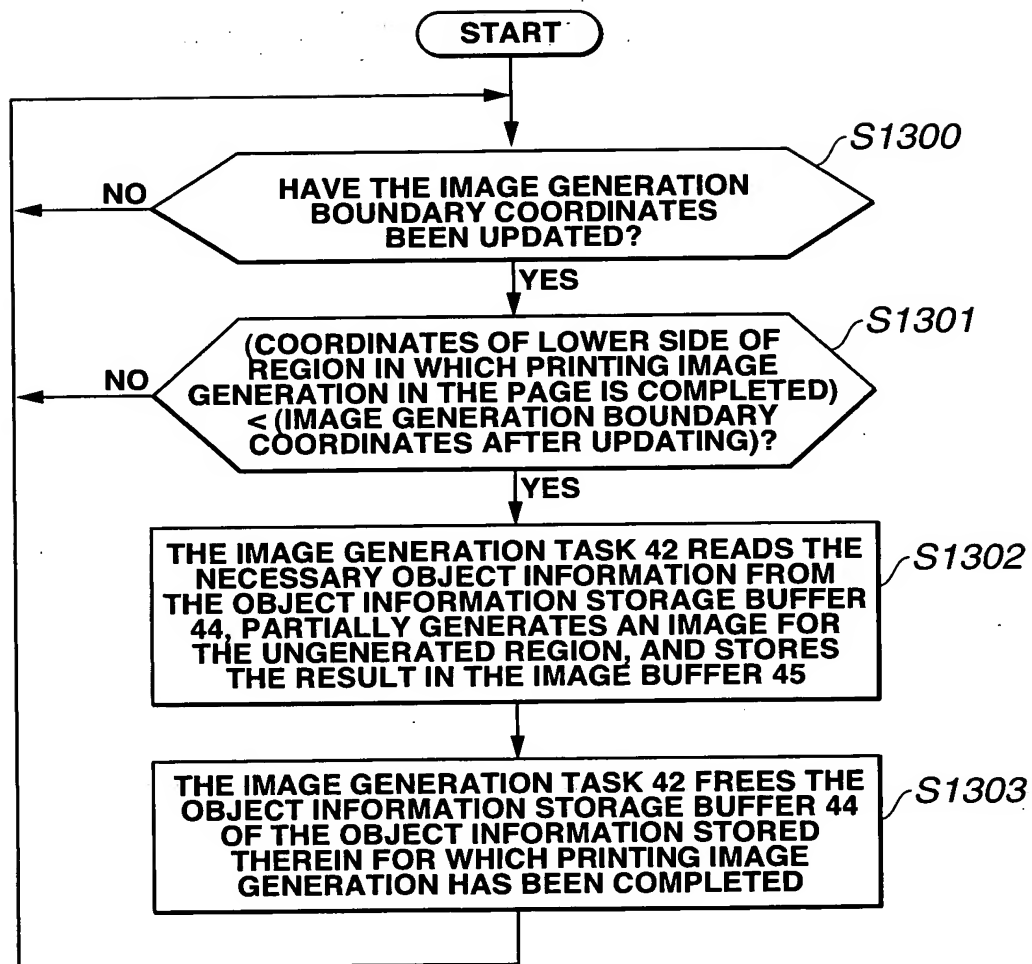


FIG.16

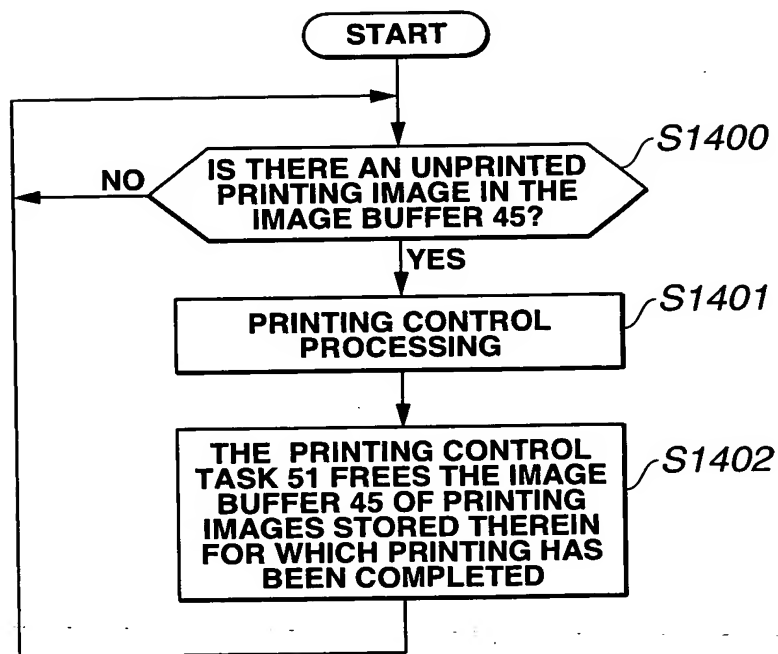


FIG.17

